

Technical Data Sheet

Ferrex GPP20CS89HB

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• Copolymer
Appearance	• Green
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.06	1.06 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	2400 psi	16.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	200 %	200 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	123000 psi	848 MPa	
Tangent : 73°F (23°C)	134000 psi	924 MPa	
Flexural Strength (Yield, 73°F (23°C))	2900 psi	20.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	12 ft·lb/in	640 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact	270 in·lb	30.5 J	ASTM D5420

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	200 °F	93.3 °C	
264 Psi (1.8 Mpa), Unannealed	125 °F	51.7 °C	

Additional Information

Filler Content, ASTM D2584: 20%

Notes

These are typical property values not to be construed as specification limits.